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| TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371 | | ATTORNEY'S DOCKET NUMBER A-988A |
| INTERNATIONAL APPLICATION NO. PCT/US2005/005815 | INTERNATIONAL FILING DATE 24 February 2005 | U.S. APPLICATION NO. (if known, see 37 CFR 1.5) 10/591214 |
| TITLE OF INVENTION COMPOUNDS, PHARMACEUTICAL COMPOSITIONS AND METHODS FOR USE IN TREATING METABOLIC DISORDERS | | PRIORITY DATE CLAIMED 27 February 2004 (27.02.04) |
| APPLICANT(S) FOR DO/EO/US Michelle Akerman, et al. | | |

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a submission under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371.
3. ☐ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☒ The US has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
 - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ has been communicated by the International Bureau.
 - c. ☒ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
 - a. ☐ is attached hereto.
 - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
 - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ have been communicated by the International Bureau.
 - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
 - d. ☒ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☒ A oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☐ An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11 to 20 below concern document(s) or information included:

11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☐ A preliminary amendment.
14. ☒ An Application Data Sheet under 37 CFR 1.76.
15. ☐ A substitute specification.
16. ☒ A power of attorney and/or change of address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.
18. ☐ A second copy of the published International Application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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|--|--------------|---|---------|------------------------------------|---------------------|
| U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/591214 | | INTERNATIONAL APPLICATION NO. PCT/US2005/005815 | | ATTORNEY'S DOCKET NUMBER A-988A | |
| 20. Other items or information: 1. Transmittal Letter to the United States Designated/Elected Office Concerning a Submission Under 35 USC 371 (plus 1 copy) (6pgs); 2. Notification of the Recording of a Change (5 forms); 3. Notification Concerning Submission or Transmittal of Priority Document (1 pg); 4. Copy of Request to Record a Change, including replacement pgs of the Request, submitted on August 25, 2006 to the International Bureau and to the US Receiving Office (10 pgs); 5. Return Postcard | | | | | |
| The following fees have been submitted | | | | CALCULATIONS | PTO USE ONLY |
| 21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a))..... \$300 | | | | \$ 300.00 | |
| 22. <input type="checkbox"/> Examination fee (37 CFR 1.492(c)) | | | | \$ | |
| If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0 All other situations..... \$200 | | | | \$ | |
| 23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b)) If the written opinion of the ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority..... \$100 International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB..... \$400 All other situations..... \$500 | | | | \$ 100.00 | |
| TOTAL OF 21, 22 and 23 = | | | | \$400.00 | |
| <input checked="" type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. | | | | | |
| Total Sheets | Extra Sheets | Number of each additional 50 or fraction thereof (round up to a whole number) | RATE | | |
| 163 - 100 = | 63 /50 = | 2 | x \$250 | \$ 500.00 | |
| Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)). | | | | \$ | |
| CLAIMS | NUMBER FILED | NUMBER EXTRA | RATE | \$ | |
| Total claims | 52 - 20 = | 32 | x \$ 50 | \$ 1600.00 | |
| Independent claims | 1 - 3 = | 0 | x \$200 | \$ 0 | |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable) | | | + \$360 | \$ | |
| TOTAL OF ABOVE CALCULATIONS = | | | | \$ 2500.00 | |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2. | | | | | |
| SUBTOTAL = | | | | \$ | |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)). | | | | \$ | |
| TOTAL NATIONAL FEE = | | | | \$ | |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property | | | | \$ | |
| TOTAL FEES ENCLOSED = | | | | \$ 2500.00 | |
| | | | | Amount to be refunded: | \$ |
| | | | | Amount to be charged | \$ |

10/591214
IAP9 Rec'd PCT/PTO 28 AUG 2006

PTO-1390 (Rev. 07-2005)

Approved for use through 3/31/2007. OMB 0651-0021

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

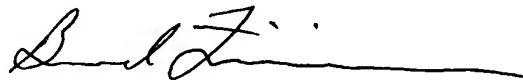
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

- a. ☐ A check in the amount of \$ _____ to cover the above fees is enclosed
- b. ☒ Please charge my Deposit Account No. 010519 in the amount of \$ 2500.00 to cover the above fees.
A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 010519. A duplicate copy of this sheet is enclosed.
- d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

AMGEN INC.
Patent Operations MS 28-2-C
One Amgen Center Drive
Thousand Oaks, CA 91320



SIGNATURE

Bernard Friedrichsen
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44,689
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Customer No.: 21069

2500.00

10/591214
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PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Akerman et al.

Serial No.: Not yet assigned (US 371 of PCT/US2005/005815)

Group Art Unit No.:

Filed: August 28, 2006

Examiner: Not Yet Assigned

For: COMPOUNDS, PHARMACEUTICAL COMPOSITIONS AND METHODS FOR USE IN TREATING
METABOLIC DISORDERS

Docket No.: A-988A

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

"Express Mail" Mailing Label No.: EL 732825595 US
Date of Deposit: August 28, 2006

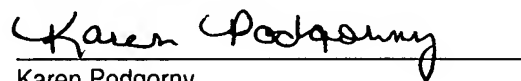
I hereby certify that the following documents:

1. Transmittal Letter to the United States Designated/Elected Office (DO/EO/US) Concerning a Submission Under 35 USC 371 (plus 1 copy) (6 pgs);
2. Notification of the Recording of a Change (Form PCT/IB/306) adding Jinqian Liu as inventor (1 pg);
3. Notification of the Recording of a Change (Form PCT/IB/306) adding Zhihua Ma as inventor (1 pg);
4. Notification of the Recording of a Change (Form PCT/IB/306) changing name and address of Agent (1 pg);
5. Notification of the Recording of a Change (Form PCT/IB/306) adding Yincal Wang as inventor (1 pg);
6. Notification of the Recording of a Change (Form PCT/IB/306) adding Michael J. Schmitt as inventor (1 pg);
7. Notification Concerning Submission or Transmittal of Priority Document (Form PCT/IB/304) (1 pg);
8. Application Data Sheet (8 pgs);
9. Copy of Request to Record a Change, including replacement pgs of the Request, submitted on August 25, 2006 to the International Bureau and to the US Receiving Office (10 pgs);
10. Declarations of Inventors (15 pgs);
11. Power of Attorney (1 pg)
12. Return Postcard

are enclosed and are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. §1.10 on the date indicated above and is addressed to Commissioner for Patents, PO BOX 1450, Alexandria, VA 22313-1450.

Enclosed for filing, please find the above-referenced documents. Please indicate receipt of these documents by returning the enclosed postcard with the official Patent and Trademark Office receipt stamped thereon.

Respectfully submitted,


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